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STUDIES PERTAINING TO THE INVESTIGATION OF SOUTHERN OCEAN SEDIMENTS

Ann E. Isley
James D. Hays
Rusti Lotti Bond
Lloyd H. Burckle

Technical Report LDEO-96-3

The Lamont/SIO Consortium for Climate Research
Lamont-Doherty Earth Observatory
of Columbia University
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A publication of Columbia University
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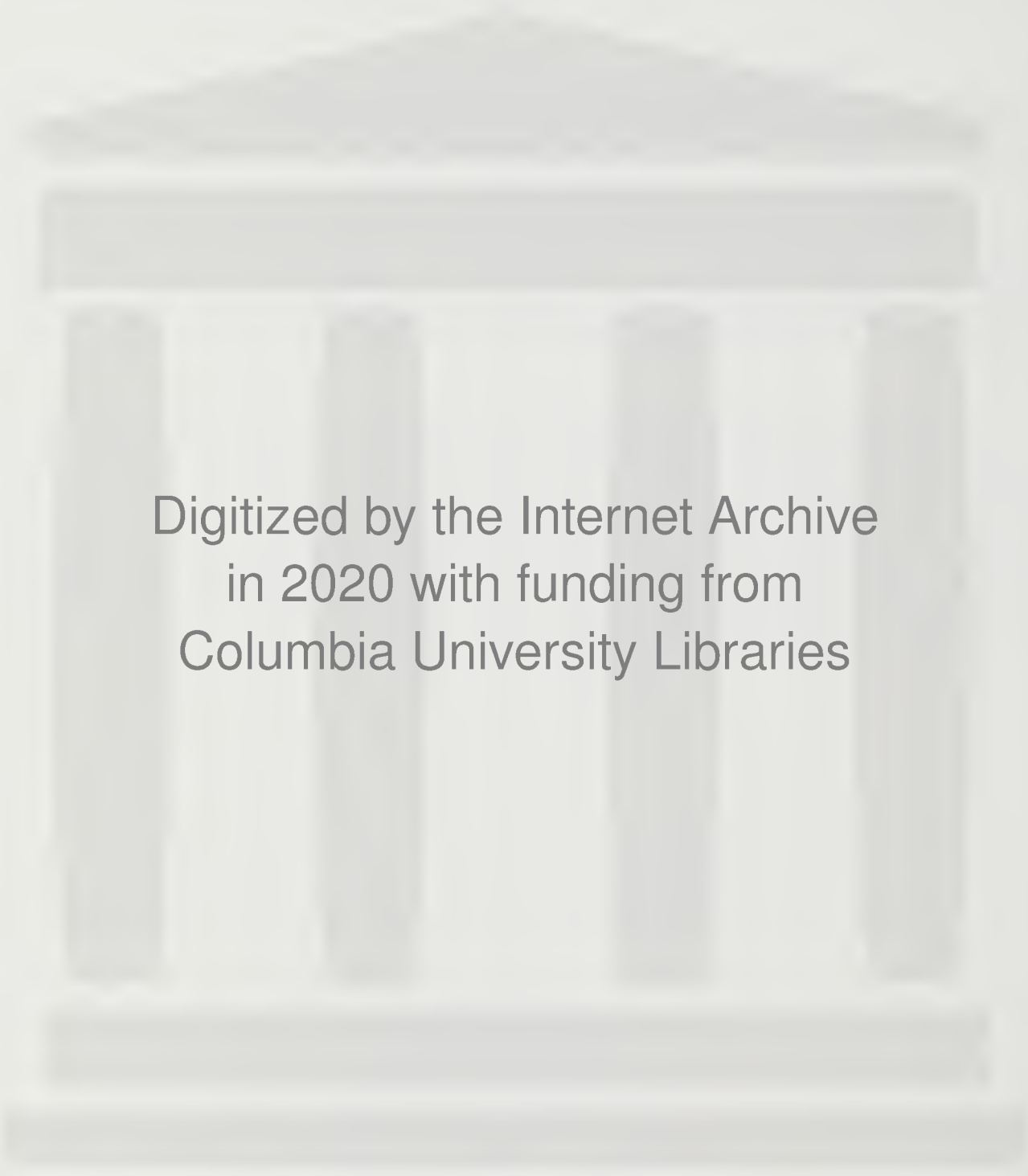


PART I. INTRODUCTION

This technical report has been prepared under the auspices of the Lamont/SIO Consortium for Climate Research. It contains citations published between 1950 - 1994 pertaining to studies of Southern Ocean marine sediment, specifically focusing on investigations of sediments recovered south of 40°S. The technical report also includes investigations conducted during the Ocean Drilling Program and the Dry Valley Exploration Program.

Part II contains citations comprising cruise reports, technical reports containing general statements about Southern Ocean studies, and descriptions of coring, sampling and curation techniques. Part III includes studies published in the refereed scientific literature. Part IV presents a list of papers included in the initial reports and scientific results of the Ocean Drilling Program. These describe sediment studies undertaken with materials recovered at 32 Southern Ocean sites. Part V comprises theses and dissertations that have centered on studies of the marine geology of the Southern Ocean. Part VI lists 27 maps and atlases presenting aspects of Southern Hemisphere marine geology. Part VII presents all citations listed in Parts II-VI, ordered by year of publication.

Companion technical report LDEO-2-96 presents a list of more than 2500 cores recovered south of 40°S during cruises of research vessels *Eltanin*, *Islas Orcadas*, *Robert Conrad*, and *Vema*, and presently curated at the Lamont-Doherty Earth Observatory of Columbia University and the Florida State University. Recovery sites (latitudes, longitudes, water depths) and core lengths are presented for each of the 2541 cores listed. Studies investigating these cores are noted; see Section VII here to find citations containing both a year and a letter designation (e.g., Hays *et al.* 1976b).



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PART II. TECHNICAL REPORTS AND GENERAL STATEMENTS ABOUT THE SOUTHERN OCEAN SAMPLING PROGRAM

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PART IV. THE OCEAN DRILLING PROGRAM

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PART VI. MAPS

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